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**SOUTH GROUNDWATER CONTAMINATION
PLUME REMOVAL ACTION WEEKLY REPORT
FEBRUARY 5, 1993**

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**DOE-FN/EPA
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REPORT**

SOUTH GROUNDWATER CONTAMINATION PLUME
WEEKLY REPORT

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Part 1 - Alternate Water Supply

Additional wells disinfection is being performed by the Contractor and further sampling will be undertaken next week. Following Ohio Environmental Protection Agency (OEPA) approval to operate the wells, a 60-day initial testing period will be implemented prior to system turnover to Albright and Wilson Americas.

Part 2 - Pump and Discharge

Construction Package 2A pipeline installation is progressing and is on schedule for completion prior to initiation of the Construction Package 2D pump test. The request for construction bids on the single NPDES monitoring facility was issued on February 5, 1993. The facility-flow-monitoring-device delivery is anticipated by February 28, 1993.

Construction Package 2B2 - Aeration Facility (Oxygen Augmentation System) is progressing. The Package 2B2 schedule will likely be impacted by late delivery of blowers, but should not impact the overall Part 2 schedule. The DOE had planned for aeration capability during the Package 2D pump test to avoid any impacts to the FEMP discharges to the Great Miami River; but, the equipment delivery delays may result in inability to aerate the South Plume discharge stream during the pump test. On August 26, 1992, DOE requested OEPA to acknowledge the likely non-aeration situation and to provide relief from potential enforcement actions in the event of NPDES noncompliance; DOE has not yet received a written response.

During this week, the condemnation packages for the Webers and Delta Steel easements were transmitted to the assigned U. S. Attorney, who will file the condemnation cases in the U.S. District Court. The Corps of Engineers is tracking the processing of the condemnation packages in order to obtain U.S. District Court review at the earliest possible date.

The entire well field area (except Delta Steel easement) Archeological/Historical (A/H) survey will be completed on February 6, 1993. The A/H report will be issued to the Ohio Historic Preservation Office following DOE review and approval (anticipated no later than February 17, 1993).

Part 3 - Installation and Operation of an Interim Advanced Wastewater Treatment (IAWWT) system to reduce uranium contaminant loading to the Great Miami River to a level less than 1,700 pounds per year.

Sand filtration testing has been completed and results are being reviewed. A decision will be made by February 12, 1993, to proceed with the pretreatment system (flocculation/clarification or sand filtration) which best suits the continued operation of the IAWWT(BDN-ETS) unit. This will accomodate installation of the selected pretreatment system by June 30, 1993.